Performance Data Sheet

HGA5512BXV

General Information

Model	HGA5512BXV	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	265V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	6510			
	Watts (Power)				
	Amps	3.11			
	Lb/h	89.2			
-23.3	Btu/h	6690	7110		
	Watts (Power)				
	Amps	3.11	2.94		
	Lb/h	91.6	97.5		
-20	Btu/h	7070	7050		
	Watts (Power)				
	Amps	3.12	3.01		
	Lb/h	96.8	96.7		
-15	Btu/h	7750	7220	7530	
	Watts (Power)	218	308	410	
	Amps	3.14	3.13	3.58	
	Lb/h	106	98.9	103	
-10	Btu/h	8580	7720	7470	7930
	Watts (Power)	548	652	767	913
	Amps	3.15	3.24	3.77	4.36
	Lb/h	118	106	102	109
-6.7	Btu/h	9230	8250	7740	7780
	Watts (Power)	676	792	916	1070
	Amps	3.14	3.30	3.89	4.52
	Lb/h	126	113	106	107
-5	Btu/h	9600	8590	7970	7830
	Watts (Power)	719	841	971	1130
	Amps	3.13	3.33	3.95	4.60
	Lb/h	132	118	109	107
0	Btu/h	10800	9860	9050	8490
	Watts (Power)	775	916	1060	1240
	Amps	3.08	3.38	4.09	4.81
	Lb/h	149	135	124	116

5	Btu/h	12300	11600	10700	9960
	Watts (Power)	756	920	1090	1290
	Amps	2.97	3.39	4.18	4.97
	Lb/h	169	159	147	136
7.2	Btu/h	13100	12500	11700	10900
	Watts (Power)	735	909	1090	1300
	Amps	2.90	3.37	4.20	5.03
	Lb/h	179	171	160	149
10	Btu/h	14100	13700	13100	12300
	Watts (Power)	704	893	1090	1310
	Amps	2.79	3.32	4.21	5.08
	Lb/h	193	188	179	168
15	Btu/h	16200	16400	16100	15400
	Watts (Power)	662	879	1100	1350
	Amps	2.54	3.18	4.17	5.11
	Lb/h	222	225	221	211

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.383167E+04	1.792508E+02	8.357934E+00	1.894502E+02
C2	-6.739616E+01	-1.176404E+01	-1.065118E-01	-9.245858E-01
C3	-8.122708E+01	2.849748E+01	-4.069359E-01	-1.110972E+00
C4	-5.843763E+00	-1.656477E+00	-1.242046E-03	-8.001267E-02
C5	1.803046E+01	5.030650E-01	3.645591E-03	2.470441E-01
C6	-1.088887E+00	-3.963554E-01	9.597272E-03	-1.495565E-02
C7	4.388111E-02	5.575896E-02	-1.946968E-05	5.988213E-04
C8	3.636394E-01	5.557095E-03	5.977644E-06	4.981373E-03
C9	-2.230229E-01	-1.176663E-03	-2.071582E-05	-3.055641E-03
C10	1.600218E-02	3.613133E-03	-6.334252E-05	2.195002E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature